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[54] SIDE WALL STRUCTURE OF LNG STORAGE TANK AND CONSTRUCTION METHOD THEREFOR

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[57] ABSTRACT

PROBLEM TO BE SOLVED: To provide the side wall structure of an LNG storage tank in which a construction time is shortened and construction cost is reduced by simultaneously conducting the construction of a reinforced concrete wall and the installation of a heat-insulating panel, and the rigidity of the heat-insulating panel is increased and safety is improved.

SOLUTION: Reinforcements 12 are arranged, reinforced meshes 16 are mounted on the external surface of a heat-insulating panel 14 formed by laminating glass fiber sheets 14a on both surfaces of a heat-insulating core material 14b, a plurality of connecting rods 18 are connected to the reinforced meshes 16, the heat-insulating panel 14 is arranged inside the reinforcements 12 and outer forms 20 outside the reinforcements 12 and connected by the connecting rods 18, concrete is placed between the outer forms 20 and the heat-insulating panel 14 to form a reinforced concrete wall 22, the heat-insulating panel 14 and the reinforced concrete section 22 are unified through the connecting rods 18 and the reinforced meshes 26, and the outer forms 20 are removed.

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